

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	10/682,622
Filing Date	10/09/2003
First Named Inventor	Ronald P. Smith
Title	POWER SAVING ZERO PRUNING ALGORITHM FOR FAST FOURIER TRANSFORM (FFT) CIRCUITRY
Art Unit	2193
Examiner Name	NGO, CHUONG D
Attorney Dkt Number	20T-053 / 12-1229

I hereby appoint:

Practitioners at Customer Number:

23400

OR

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

The above-mentioned Customer Number:

OR

The address associated with Customer Number:

OR

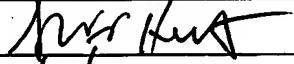
<input type="checkbox"/>	Firm or Individual Name			
Address				
Address				
City	State		Zip	
Country				
Telephone	Fax			

I am the:

Applicant/Inventor

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

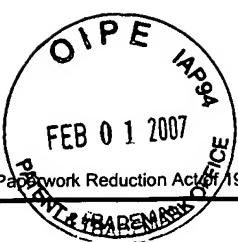
SIGNATURE of Applicant or Assignee of Record

Name	Scot R. Hewitt Senior Counsel, Space Technology – Law Department, Northrop Grumman Corporation		
Signature			
Date	1/14/08	Telephone	310-813-1550

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



**REVOCATION OF POWER OF
ATTORNEY and APPOINTMENT OF
NEW POWER OF ATTORNEY**

Application Number	10/682,622
Filing Date	10/09/2003
First Named Inventor	Ronald P. Smith
Art Unit	2193
Examiner Name	NGO, CHUONG D
Attorney Docket Number	20T-053 / 12-1229

I hereby revoke all previous powers of attorney given in the above-identified application:

A Power of Attorney is submitted herewith.

OR

I hereby appoint the practitioners at Customer Number:

Please change the correspondence address for the above-identified application to:

The address associated
with Customer Number:

OR

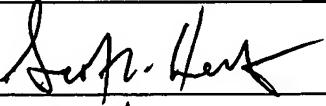
<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City	State	Zip	
Country			
Telephone	Fax		

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

SIGNATURE of Applicant or Assignee of Record

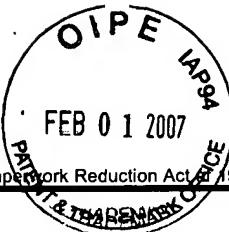
Name	Scot R. Hewitt Senior Counsel, Space Technology – Law Department, Northrop Grumman Corporation		
Signature			
Date	1/14/07	Telephone	310-813-1550

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/96
OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(b)

20T-053 / 12-1229

Applicant/Patent Owner: **Northrop Grumman Corporation**

Application No./Patent No. **10/682,622** Filed/Issue Date: **10/09/2003**

Entitled: **POWER SAVING ZERO PRUNING ALGORITHM FOR FAST FOURIER TRANSFORM**

(FFT) CIRCUITRY

Northrop Grumman Corporation, a **Corporation**,
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.

The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel **014598**, frame **0396**, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE] A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Scot R. Hewitt

Typed or printed name

Signature

**Senior Counsel, Space Technology - Law
Department, Northrop Grumman Corporation**